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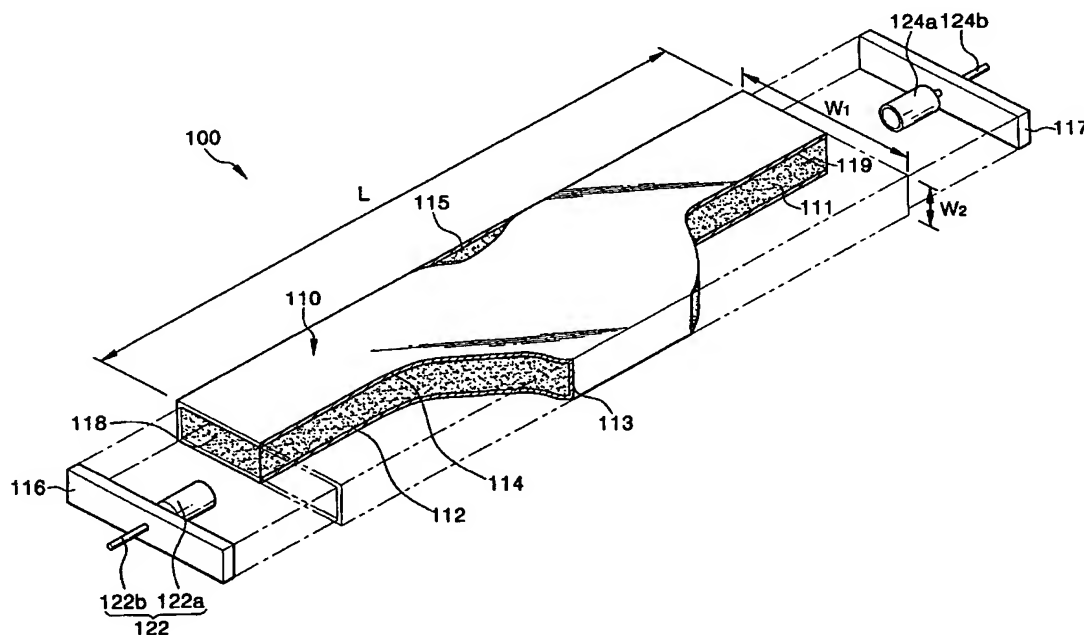
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- before the expiration of the time limit for amending the
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[Continued on next page]

(54) Title: LAMP



(57) Abstract: In a lamp (100) capable of improving luminance and uniformity of the luminance, and generating a light for displaying an image has a preferably a rectangular tubular shape. a cross-section of the lamp has a major axis (W1) substantially parallel with the light incident surface and a minor axis (W2). Therefore, the lamp (100) supplies the light capable of improving luminance and uniformity of the luminance to decrease power consumption.



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2003/002707

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: H01J 61/30 G02F 1/13357

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: H01J, F21V G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI PAJ EPODOC KIPRIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 03 210750 A (TOSHIBA LIGHTING) 13 September 1991 (13.09.1991) <i>abstract, figures 1, 2.</i>	1-11
X	JP 08 110507 A (MATSUSHITA ELECTRONICS) 30 April 1996 (30.04.1996) <i>abstract, figure 4.</i>	1-11
X	JP 06 203796 A (CASIO COMPUTER) 22 July 1994 (22.07.1994) <i>abstract, figure 2.</i>	1-3
X	JP 08 185826 A (MATSUSHITA ELECTRIC) 16 July 1996 (16.07.1996) <i>abstract, figure 4.</i>	1-3
X	EP 0329226 A1 (PHILIPS) 23 August 1989 (23.08.1989) <i>figures 1, 3 with description.</i>	1-4

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

29 April 2004 (29.04.2004)

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14 October 2004 (14.10.2004)

Name and mailing address of the ISA/AT

Austrian Patent Office

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR 2003/002707

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20020141183 A1 (MOON) 3 October 2002 (03.10.2002) <i>figures 8 and 9 with description.</i>	12-27
X	US 6331064 B1 (NISHIYAMA) 18 December 2001 (18.12.2001) <i>figure 4 and description.</i>	12-27
X	KR 20020071355 A (KUMHO ELECTRIC) 12 September 2002 (12.09.2002) <i>abstract figures 1, 2 and 4 with description.</i>	12-27

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2003/002707

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

I: Claims 1-11 embodying features of a discharge lamp

II: Backlight assembly and LCD device containing same embodying mainly structural features of said assembly, like container and conductor arrangements.

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT
information on patent family members

International application No.
PCT/KR 2003/002707

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
EP A	329226			KR B	9707291	1997-05-07
				US A	5070273	1991-12-03
				EP A	0329226	1989-08-23
				DE T	68926921T	1997-03-13
				DE D	68926921D	1996-09-19
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JP A	3210750A			none		
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	2					
JP A	8185826A			none		
	2					
KR A	20020071			none		
	355					
US A	20020141			none		
	183					
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